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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/628,308	07/29/2003	Julie Hazel Campbell	229752001220	4466
25227 7590 04/26/2007 MORRISON & FOERSTER LLP			EXAMINER	
1650 TYSONS BOULEVARD SUITE 400 MCLEAN, VA 22102			ISABELLA, DAVID J	
		. •	ART UNIT	PAPER NUMBER
			3738	
SHORTENED STATUTORY	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MON	JTUC	04/26/2007	DAI	DED

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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	Application No.	Applicant(s)	
Office Action Commence	10/628,308	CAMPBELL ET AL.	
Office Action Summary	Examiner	Art Unit	
The MAN INCODATE And	DAVID J. ISABELLA	3738	
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING I Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period. Failure to reply within the set or extended period for reply will, by stature Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICAL 136(a). In no event, however, may a reput will apply and will expire SIX (6) MONTH te, cause the application to become ABA	ATION. lly be timely filed HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).	
Status			
 Responsive to communication(s) filed on 15 f This action is FINAL. Since this application is in condition for allowated closed in accordance with the practice under 	is action is non-final. ance except for formal matter		
Disposition of Claims			
4) ⊠ Claim(s) <u>35-48 and 50-56</u> is/are pending in the 4a) Of the above claim(s) is/are withdra 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>35-48 and 50-53</u> is/are rejected. 7) ⊠ Claim(s) <u>54-56</u> is/are objected to. 8) □ Claim(s) are subject to restriction and/	awn from consideration.		
Application Papers			
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) acceptable and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the option of the specific acceptable and the specific acceptable acceptable and the specific acceptable	cepted or b) objected to by e drawing(s) be held in abeyance ction is required if the drawing(s	e. See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list	nts have been received. Its have been received in Apporting the property of t	plication No eceived in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892)		mmary (PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date		Mail Date Domal Patent Application .	

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Status of the Claims

Applicant's request for continued examiner filed on 2/15/2007, and claims 35-48,50-56 are pending. Claims 35 and 36 have been amended to include the limitation of "and grafting tissue into a recipient". Claim 49 has been cancelled.

Response to Arguments

Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 35-56 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Ketharanathan [4319363].

Ketharanathan discloses fabricating a surgical graft produced by implanting a rod or tube in a host and growing collagenous tissue forming a coherent tubular wall of collagenous tissue. The implant is removed from the host and the collagenous tissue is removed from the rod or tube, treated and used as a vascular prosthesis.

Vascular prosthesis suitable for use as a surgical graft is produced by implanting a rod or tube in a living host animal such as a sheep and allowing collagenous tissue to grow on the implant to form a coherent tubular wall of collagenous tissue. The implant is subsequently removed and the tubular wall of collagenous tissue is stripped from the rod or tube and tanned in glutaraldehyde to serve as a vascular prosthesis.

While Ketharanathan does not specifically recite myofibroblasts forming on the molding support, it is well known in the art that myofibroblasts cells are precursors to collagen tissues especially type 1 collagen.

Claims 36 and 37, as broadly worded read on the removal and separation of the implant from the rod/tube of Ketharanathan.

Claim 39, the rod/tube is placed within a cavity of the body by surgical implantation.

Claims 45-48, the tissue formed on the device would be tubular in form and could be used in the manner as set forth in claims 45-48.

Claims 50-52, the tissue is autologous and the rod can be placed in the peritoneal cavity

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 40 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ketharanathan [4319363] as applied to claim 35 above, and further in view of DeVore et al [4713446].

Claim 40, to prevent adhesion of tissue to the collagen mesothelial cells may cover the tissue of Ketharanathan as taught by DeVore et al. See column 16, lines 20+.

20 In order to prevent adhesion formation between two endothelial or connective tissue membranes, certain collagen solutions could be implanted between mesothelial, pericardial and pleural sheets.

Claim 41 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ketharanathan [4319363] as applied to claim 35 above, and further in view of Tranquillo et al [6666886].

The use of biodegradable matrix for growing new tissue thereon is taught by Tranquillo et al. Such use in place of non-resorbable matrix offers the ability for ease of removal of the implant after a predetermined period of time without causing trauma to the neo-tissue that comprise the implant.

Claims 42-43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ketharanathan [4319363] as applied to claim 35 above, and further in view of Sparks [3938524].

Claims 42-43, see materials used for molding rod/tube as taught by Sparks [3938524].

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Claim 53 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ketharanathan [4319363] as applied to claim 35 above, and further in view of either of Dardik et al [3894530] or Bruchman et al [5584876].

The use of freezing or lyophilizing tissue to preserve and store the tissue prior to implantation is well known in the art as taught by each of Dardik et al and Bruchman et al. To use freezing technique to preserve and store the tissue derived from ketharanathan prior to implantation would have been obvious to one with ordinary skill in the art from the teachings of either of Dardik et al and Bruchman et al.

Allowable Subject Matter

Claims 54-56 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID J. ISABELLA whose telephone number is 571-272-4749. The examiner can normally be reached on MONDAY-FRIDAY.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, CORRINE MCDERMOTT can be reached on 571-272-4754. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> DAVID (ISABELLA Primary Examiner Art Unit 3738

DJI 4/16/2007